

IN THE SPECIFICATION:

Please replace the paragraph on page 2, lines 2-14 with the following amended paragraph:

For example, U.S. Patents No. 5,833,048 and Japanese Patent No. 2,715,778 propose a secondary battery using an organic compound with disulfide bonds as an electrode material. The simplest form of this organic sulfur compound is represented by the formula: $M^+ - S - R - S^- - M^+$, where R is an aliphatic or an aromatic organic group, S sulfur, and M^+ a proton or metal cation. Through an electrochemical oxidation reaction, this compound becomes polymerized by S-S bonds, thereby forming a polymer with a structure of $M^+ - S - R - S - S - R - S - S - R - S^- - M^+$. This polymer returns to the original monomers through an electrochemical reduction reaction. These reactions are applied to the charge/discharge reactions of secondary batteries.